

STATE OF CALIFORNIA

CALIFORNIA INTEGRATED WASTE MANAGEMENT BOARD

Base Year Modification Request Certification

Part 1: Generation Study - No Extrapolation Diversion Data

To request a substitution for a previously approved base-year used in calculating the diversion rate for your jurisdiction, please complete and sign this form and return it to your Office of Local Assistance (OLA) representative at the address below, along with any additional information requested by OLA staff. When all documentation has been received, your OLA representative will work with you to prepare for your appearance before the Board. If you have any questions about this process, please call (916) 341-6199 to be connected to your OLA representative.

Mail completed documents to:

California Integrated Waste Management Board
Office of Local Assistance
1001 I Street, 9th Floor
PO Box 4025
Sacramento, CA 95812-4025

General Instructions:

Please select the ONE choice below that best explains your request to the Board.

☐ 1. Use a recent generation-based study to calculate our current reporting-year generation amount, but not officially change our existing Board-approved base year.

☒ 2. Use a recent generation-based study to officially change our existing Board-approved base year to a new base year.

The shaded cells on these sheets are protected. If you have problems using these sheets, please contact your Office of Local Assistance representative.

Section I: Jurisdiction Information and Certification			
All respondents must complete this section.			
I certify under penalty of perjury that the information in this document is true and correct to the best of my knowledge, and that I am authorized to make this certification on behalf of:			
Jurisdiction Name		County	
City of Banning		Riverside	
Authorized Signature		Title Assistant City Engineer	
Type/Print Name of Person Signing		Date	Phone () Include Area Code
Kahono Oei		9/19/01	(909) 922-3135
Person Completing This Form (please print or type)		Title Senior Project Manager	
Jon Root			
Affiliation: E. Tseng & Associates 30023 W. Rainbow Crest Drive, Agoura Hills, CA 91301			
Mailing Address		City	State ZIP Code
99 E. Ramsey Street		Banning	CA 92220-0998
E-mail address jonroot@earthlink.net			

007 15 2001

Section II: Information for New Generation-Based Study for Existing or New Base Year

Attach additional sheets if necessary— reference each response to the appropriate cell number (e.g., 4).

Note: New base years must be representative of a jurisdiction's disposal and diversion.

1. Current Board-approved existing base-year:

1990 - 25,832

2. Proposed new generation-based study year:

2000 - 42,413

3. Explain how the proposed generation study year is representative of average annual jurisdiction disposal and diversion:

This study includes information from the following sources: detailed records provided by the franchised waste hauler, Waste Management Inc (WMI), of the commercial and residential waste disposal and recycling of all accounts serviced; on-site waste evaluations at the 21 largest businesses for data not captured in the collections performed by WMI; tonnage data from two recycling centers in Banning, and; information from city staff on the internal waste diversion activities practiced by the city. The City believes that these disposal and diversion activities are representative of a typical year and do not include spikes that may alter waste generation.

4. Enter your diversion rates below.

Diversion rate calculated using existing base year

a. 38 %

Diversion rate calculated using new generation-based study

b. 53 %

For existing base year pounds/person/day based on generation

4.64

For new generation based study pounds/person/day based on generation

8.8

Residential generation 36 % Non-Residential Generation 64 %

Residential generation 27% % Non-Residential generation 73% %

Population existing generation-based study 21,900

Population new generation-based study 25,900

5. If there is an increase between 4a and 4b, please explain how the new diversion rate is consistent with your current diversion implementation efforts. If the proposed new generation tonnage results in an increase in your pounds/person/day, please explain how this is consistent with your current diversion implementation efforts and provide any examples, e.g. change in jurisdiction's demographics.

The City's diversion rate increased in 2000 based primarily on the reasons listed in number 6 below. The increase in pounds/person/day is due to the major increase of the concrete and asphalt recycling operation that opened in the City in 1998.

6. If the difference between the proposed diversion rates in 4a and 4b is greater than 5 percentage points, please explain the specific reasons for the difference. (For example: new/improved curbside diversion programs.)

The primary reason for the larger increase between 1990 and the year 2000 (14 percent increase) is due to three major factors, including: 1) Better data collection methodologies used to gather information in the year 2000. This is shown in our waste evaluations, as evidenced by the detailed findings in Section 9 and Attachment 9 of this report; 2) The City of Banning instituted commercial and residential recycling collection programs (including greenwaste collection) after 1990; and 3) The crushing and recycling of used concrete and asphalt by a private contractor was started in 1998. All of the City's recycling efforts are expected to continue in the future and will help Banning meet or exceed the 50 percent waste diversion requirement of AB 939.

7. Disposal Tonnage: (enter values)	6422	13592	20014
	Residential	Non-Residential	Total

Please select the ONE choice below that best explains your disposal data and complete the required tables.

☒ a. All tons claimed are from the Board's Disposal Reporting System (No explanation required. Go to Section 8.)

☐ b. All tons claimed are from a 100 percent audit of hauler and self-haul tonnage. (Please complete Reporting Year Tonnage Request and Modification Certification sheet found at <http://www.clwmb.ca.gov/central/forms/rytnmdrq.doc>)

☐ c. Some Disposal Reporting System data were corrected. (Please complete Reporting Year Tonnage Modification Request and Certification sheet found at <http://www.clwmb.ca.gov/central/forms/rytnmdrq.doc>)

8. In the table below, list the summarized diversion activities, and diversion data records that support your claim and are available for Board audit. (Note: The Board expects the jurisdictions to be able to provide all back-up documentation, if requested) Include type of record and location—for example, weight tickets from transfer stations. This section should capture all diversion tonnage (form will perform all addition calculations). If any diversion is from restricted wastes, [agricultural wastes, inert solids (e.g., concrete, asphalt, dirt, etc.), white goods, and scrap metal] please identify those programs/waste types and fill out section 10. Please mark as Attachment B all copies of survey forms.

*Please provide detailed Non-Residential waste information in Section 9.

*Please provide detailed non-Residential waste audit information in Section 9.

Note: The Board has indicated that it will be scrutinizing total source reduction amounts greater than 5% of total generation. Please be prepared to provide additional details substantiating your claim.

Diversion Activity	Actual Tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific diversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.clwmb.ca.gov/central/parts/codes/reduce.htm					
Residential Activities:					
Source Reduction:					
Backyard composting		0.0%			
Grasscycling		0.0%			
Other Residential source reduction (list each program separately)					
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Enter program name		0.0%			
Subtotal Residential Source Reduction	0	0.0%			
Recycling:					
Curbside Recycling	1343	3.2%	2000-RC-CRB Curbside recycling collection to single-family homes consisting of co-mingled recycling collection of mixed paper, newspaper, rigid containers	actual records	Spreadsheet from Waste Management (franchised hauler), based on weight tickets; records held by Kahono Oei, Asst City Engineer
Buyback centers	499	1.2%	2020-RC-BYB CRV materials, newspaper, cardboard, misc paper, various high grade steels	221 tons from one center; 278 tons from one center	Spreadsheet of annual pounds provided from recycling centers; records held by Kahono Oei, Asst City Engineer
Drop-off centers					

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation w/multiple materials in one list)	Specific correction factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at http://www.blwmh.ca.gov/central/parts/codes/reduce.htm					
Other Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Recycling	1642	4.3%			
Residential Composting					
Green waste drop-off					
Curbside green waste	3084	7.3%	3000-CM-RCG Residential landscape debris collected in curbside collection to single-family homes by franchised hauler	Actual records; materials are taken to a regional composting facility: BP John Composting, 28700 Matthews Road, Romoland CA	Spreadsheet from Waste Management (franchised hauler) based on weight tickets; records held by Kahono Oei, Asst City Engineer
Christmas Tree program					
Other Residential composting (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Residential Composting	3084	7.3%			
Subtotal Residential Diversion	4926	11.6%			
Non-Residential Activities					
Source Reduction					
Non-Residential Waste Audits*	300	0.7%	See Section 9	See Section 9	See Section 9
Other non-Residential source reduction (list each program separately)					
1000 - SR- XGC Grasscycling	130	0.3%	Grasscycling of 20 acres of public turf land owned by the City of Banning	6.5 tons of grass per acre; Source: "California Turfgrass Culture" UC Cooperative Extension Volume 46, nos. 1 & 2, 1996, p 6	4-9-01 email from Kahono Oei, Asst City Engineer
4050 - SP- WDW Chipping and Mulching	360	0.8%	Tree trimmings from Parks and Electrical Depts are chipped and used on public areas as mulch		4-9-01 email from Kahono Oei, Asst City Engineer
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Source Reduction	790	1.9%			

Diversion Activity	Actual tons	Relative Percent to Total Generation	Specific material type(s) (List operation with multiple materials in one box)	Specific conversion factor used (if any) and Source	Type of record and location of record
Please use the Board's program types. The program type glossary is online at: http://www.ciwmh.ca.gov/central/parts/codes/reduce.htm	(N)	(A/Total Generation)			
Recycling					
Non-Residential Waste Audits*	11661	27.5%	See Section 9	See Section 9	See Section 9
Other non-Residential recycling (list each program separately)					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Recycling	11661	27.5%			
Composting					
Non-Residential Waste Audits*			See Section 9	See Section 9	See Section 9
Other non-Residential composting (list each program separately)					
2030 - RS - OSP Commercial Recycling Collection	437	1.0%	cardboard and other misc recyclables collected by WMI		Spreadsheet from Waste Management (franchised hauler) based on internal records; records held by Kahono Oei, Asst City Engineer
3030 - CM - CSG Drop-off of commercial landscape debris	169	0.4%	Landscape debris from commercial landscapers; roll-off is located at Recycling Center and collection is provided by WMI	Actual records; materials are taken to a regional composting facility: BP John Composting, 28700 Matthews Road, Romoland CA	Spreadsheet from Waste Management (franchised hauler) based on internal records; records held by Kahono Oei, Asst City Engineer
Enter program name					
Enter program name					
Enter program name					
Subtotal Non-Residential Composting	606	1.4%			
Subtotal Non-Residential Diversion	13057	30.8%			
Residential/Non-Residential Diversion Activities					
ADC	750	1.8%	7040-FR-ADC ADC used at Lamb Canyon Disposal Site, Riverside County		CIWMB website page, "Jurisdiction Disposal by Facility 2000;" copy of record held by Kahono Oei, Asst City Engineer
Sludge					
Scrap metal	3586	8.5%	4040-SP-SCM CRV metals, various high grade steels	2070 tons from one center; 1516 tons from one center	Written correspondence listing amounts of materials recycled in 2000 provided from recycling centers; records held by Kahono Oei, Asst City Engineer
Construction and demolition	80	0.2%	4060-SP-CAR Concrete and asphalt grindings reused by City crews on unpaved city property	estimate from Street Division crew	4-9-01 email from Kahono Oei, Asst City Engineer
Landfill salvage					
Subtotal Residential/Non-Residential diversion	4416	10.4%			
Total Res/Non-Res Source Reduction Tons	790	1.9%			
Total Diversion Tons	22399	52.8%			
Total Disposal Tons from Sec. 7	20614	47.2%			
Total Generation Tons (Div+Dis)	42413				
Diversion Rate	53%				

9. Specific Non-Residential Sector Waste Audits-Top 10 Non-Residential Generators

Please complete this table for the top 10 non-residential generators that were surveyed. List each non-residential generator separately from largest to smallest, based on total diversion tons. Audit reference number ties to your audit sheets.

(Form will perform all addition calculations).

Please provide an attachment 9 which includes all of the generators surveyed. Include for each generator (use type of generator in lieu of specific business name) diversion activity and material type and associated tonnage for each diversion activity/material type, and applicable conversion factors/sources. Include copies of survey form(s) used.

Type of Non-residential Generator	Audit Reference Number	Specific/Major Diversion Activities Include material type (e.g. paper recycling, grasscycling). (List activities on one line)	Source Reduction Tons	Recycling Tons	Composting Tons	Total Diversion Tons	Percent of Total Generation (Total Diversion Tons/Total Generation in Section 8)	Survey Method Phone (P) Mail (M) On-site (O) Other _____
Crushed and Broken Stone	A	R concrete - 10,000 tons/yr from misc projects in city from private contractors		10000		10000	23.4%	O & P
Window & Screen Mfr - Vinyl & Alum Frames	D	R Cardboard - 86 tons/yr; R Glass - 648 tons/yr; R Plastic Vinyl - 266 tons/yr; SR Wood burned as firewood - 6 tons/yr; SR plastic spacing blocks - 121 tons/yr;	127	1000		1127	2.6%	O
Plastic Products, Not elsewhere classified	C	R scrap al and ferrous - 12 tons/yr; R scrap plastic (acrylic, polyurethane, ABS) 234 tons/yr; SR paper shredded to use for packaging - 8 tons/yr	8	246		254	0.6%	O
Grocery Stores	K	R cardboard - 208 tons/yr; R shredded paper - .4 tons/yr; R grease, bones, fat - 21 tons/yr; SR paper from computerized payroll, inventory - 2 tons/yr; SR food donation - 6 tons/yr; SR pallets - 83 tons/yr	91	229		320.4	0.8%	O
Variety Store	6	R cardboard bales - 70 tons/yr		70		70	0.2%	O
Games, Toys, and Children's Vehicles	4	R Lexan plastic - 52 tons/yr; SR reuse cardboard to ship products - .4 tons/yr; SR fiber barrels sent back to supplier - 3 tons/yr;	3	52		55.4	0.1%	O
Department Stores	J	R cardboard - 41 tons/yr; SR paper from computerized payroll, inventory - 3 tons/yr; SR pallet reuse - 8 tons/yr	11	41		52	0.1%	O
Plating of Metals	E	R scrap metal - 9 tons/yr; SR scrap	15	9		24	0.1%	O
Marble Bldg Stones	G	SR wood - 2 tons/yr; SR pallets - 10 tons/yr; SR marble - 2 tons/yr	14			14	0.0%	O
Fast Food - no alcohol	N	R grease from cooking ops - 9.8 tons/yr		10		10	0.0%	O
Totals			269.4	11657.4		11926.8	27.9%	

Summarize the non-residential diversion activities for the top 10 generators quantification methodology, and applicable conversion factors and sources. (e.g. Cardboard recycling: quantified by monthly tonnage receipts provided by the contact person at the business)

See attachment 9 for detailed list of conversion factors for all site visits completed. NOTE: The non-residential source reduction activities tonnage in sec 7-8 is 300 tons because this reflects the entire source reduction from all site visits conducted which are detailed in Attachment 9. The non-residential recycling activities tonnage in sec 7-8 is 11,661 tons because this also reflects the entire recycling from all site visits conducted which are detailed in Attachment 9.

10. For each restricted waste type [i.e., agricultural waste, inert solids, (e.g. concrete, asphalt, dirt, etc.) scrap metals and white goods (PRC Section 41781.2)] and associated program, please provide the following information:

a. If the diversion program started on or after January 1, 1990, complete the following table.
(Note: program name refers to one specific diversion program for that waste type; (e.g., diversion conducted by City Public Waste Dept).

Restricted Waste Type	Specific Program name	Year started	Tonnage
Inert Solids ▼	A) Mattich Recycling - concrete from misc jobbers	1998-99	10000
Scrap Metal ▼	C) Strech Plastics -scrap ferrous metal	1991	12
Scrap Metal ▼	E) Perfection Plating - scrap ferrous metal	1996	6
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			
Pull Down for Waste Types ▼			

b. If the diversion program started before January 1, 1990, on a separate sheet, marked attachment 10b, provide the following documentation: (Note: If documentation for a waste type and program has already been approved by the Board, you do not have to provide an attachment 10b for that waste type and program.
Instead please provide date of Board approval of preciously submitted information. _____ (Date)

If documentation is not available, go to 10d.

- How the diversion was the result of a local action taken by the jurisdiction, which specifically resulted in the diversion [PRC Sec. 41781.2 (c) (1)].
- That the amount of that waste type diverted from the jurisdiction in 1990 was less than or equal to the amount of that waste type disposed at a permitted disposal facility by the jurisdiction in any year before 1990. (Note: this criterion is applicable to the entire jurisdiction, not to individual programs [PRC Sec. 41781.2 (c) (2)]). Please include documentation.
- The jurisdiction is implementing, and will continue to implement, the diversion programs in its Source Reduction and Recycling Element.

c. If the diversion program started before January 1, 1990, and the documentation requested in 10b is available (but not yet approved by the Board), complete the table below for each program claimed:

Restricted Waste Type	Specific Program Name	New base year or reporting year diversion tonnage
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		
Pull Down for Waste Types ▼		

d. If the diversion program started before January 1, 1990, and the documentation requested in 10b is not available, please complete the table below for each program claimed. (Note: Only the difference between the new base year/reporting year and 1990 can be counted in the diversion rate calculation.)

Restricted Waste Type	Specific Program name	New base year or reporting year tonnage	1990 diversion tonnage	Difference
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				
Pull Down for Waste Types ▼				

Business Audit Diversion for the City of Banning

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Diver. Tons	Disp. Tons	Cubic Yds.	Roll-off or compactor
A	Crushed and Broken Stone	Recycling	concrete, asphalt	Estimated tonnage recycled in the year 2000 is 12,000 tons Facility is located in the City of Banning. This operation began in 1998-99, according to facility contact. The 80 missing tons is found in section that was recycled by Streets Dept (see below. Source: Oscar Read, Asphalt Plant Superintendent see attachment 10	11,920.00			
D	Window & Screen Mfr	Recycling	occ	40 large bales every 2.5 mos = 192 bales/yr x 900 lbs/bale = 172,800 lbs/yr source: US EPA	86.40			
		Recycling	glass	20 cy bin every 1.5/wk = 30 bins/yr x 20 cy = 600 cy/yr x 2160 lbs/cy = 1,296,000 lbs/yr source: FEECO	648.00			
		Recycling	plastic vinyl	(20) 1.5 cy sacks/wk x 341.12 lbs/cy = 10,233.6 lbs/wk x 52 weeks/yr = 532,147 lbs/yr source: Tellus	266.00			
		Recycling	wood	(1) 3 cy bin/mo wood for firewood 3 cy x 329.53 lbs/cy x 12 mos/yr = 11,863 lbs/yr source: Tellus	5.93			
		Source Reduction	plastic blocks	(20) 1.5 cy sacks/wk plastic blocks reused x 150 lbs/cy = 4665 lbs/wk x 52 wks/yr = 242,580 lbs yr source: estimate from Maintenance Mgr	121.30			
R	Drug Stores/Retail	Recycling	occ	2 gaylords/wk of flattened occ x 52 wk/yr = 104 gaylords/yr x 50 lbs/gaylord = 5200 lbs/yr source: Tellus	2.60			
		Recycling	metal al cans	1 case of al cans/wk x 52 wks/yr = 52 cases/yr x 0.89 lbs/case = 46.2 lbs/yr source: US EPA	0.02			
		Source Reduction	paper	(2) 32 gallon trash cans worth of paper work reduced as a result of computerizing inventory, payroll, etc. 2 x 25.4 lbs/ 32 gal = 50.82 lbs x 52 wks/yr = 2642 source: US EPA	1.30			
		Source Reduction	wood pallets	12 pallets/wk returned to distributor x 8 lbs/pallet = 96 lbs x 52 wks/yr = 4992 lbs/yr source CIWMB Diversion Guide	2.50			
Z	Concrete Products	Recycling	metal al cans	(1) 32 gal container of al cans every mo. = 5.61 lbs x 12 mos = 67.32 lbs/yr source: US EPA	0.03			
		Recycling	wood pallets	100 oversize pallets/yr are broken up and used as firewood by employees = 100/yr x 75 lbs/ea = 7500 lbs/yr source: weight estimated by business contact	3.75			

7	Grocery Stores	Source Reduction	wood pallets	20 pallets/wk returned to distributor x 8 lbs/pallet = 160 lbs/wk x 52 wks/yr = 8320 lbs/yr source: CIWMB Diversión Guide	4.16			
J	Department Store	Recycling	occ	(4) med bales/wk x 400 lbs lbs/bale = 1600 lbs/wk x 52 wks/yr = 83,200 lbs/yr source: UCLA et	41.60			
		Recycling	glass	(1) case 12 oz bottles = 22 lbs every 2 weeks x 26 wks = 572 lbs/yr source: US EPA	0.28			
		Recycling	metal al cans	(1) 32 gallon container per month = 5.61 lbs x 12 mos = 67.32 lbs/yr source: US EPA	0.03			
		Source Reduction	wood pallets	2080 pallets/yr returned to distribution x 8 lbs/pallet = 16,640 lbs/yr source: CIWMB Diversión Guide	8.32			
		Source Reduction	paper	(1) 30 gallon container/day of paper source reduced as a result of computerized inventory x 25.4 lbs x 5 days/wk = 127 lbs/wk x 52 wk/yr = 6604 lbs/yr	3.30			
6	Variety Store	Recycling	occ	(3) large bales/wk occ backhauled to distribution center at 900 lbs/bale = 2700 lbs/wk x 52 wks/yr = 140,400 lbs/yr source: US EPA	70.20			
		Recycling	metal al cans	1 case of al cans/wk x 52 wks/yr = 52 cases/yr x 0.89 lbs/case = 46.2 lbs/yr source: US EPA	0.02			
		Recycling	plastic PETE	208 bottles/yr x 0.12 lbs/ea = 24.96 lbs/yr source: US EPA	0.01			
		Source Reduction	paper	676 sheets/yr of paper source reduced (1 500 sheet ream = 5 lbs); therefore total is 6.76 lbs/yr source: US EPA	0.00			
		Source Reduction	wood pallets	364 pallets/yr returned to distribution x 8 lbs/pallet = 2912 lbs/yr source: CIWMB Diversión Guide	1.45			
4	Craft & Hobby Kits	Recycling	occ	1 gaylord/wk of flattened occ x 52 wk/yr = 52 gaylords/yr x 50 lbs/gaylord = 2600 lbs/yr source: Tellus	1.30			
		Recycling	metal al cans	13 gals/wk x 2.21 lbs/gal = 22.1 lbs/wk x 52 weeks/yr = 115 lbs/yr source: US EPA	0.06			
		Recycling	plastic Lexan	2100 lbs/wk scrap recycled x 50 weeks/yr = 105,000 lbs/yr source: Production Mgr	52.50			
		Source Reduction	wood pallets	15 pallets/mo stacked in pack for scavenger to collect x 40 lbs/pallet = 600 lbs/mo x 12 mos = 7,200 lbs/yr source: CIWMB Diversión Guide	3.60			
		Source Reduction	occ	1 gaylord every 3 weeks of flattened occ reused = 17.33 x 50 lbs/gaylord = 868 lbs/yr source: Tellus	0.43			
		Source Reduction	fiber drums	20 fiber drums mo/ returned to distributor x 25 lbs/drum = 500 lbs mo x 12 mos/yr = 6000 lbs/yr source: UCLA et	3.00			

C	Plastic Products	Recycling	scrap al metal	(1) gaylord/mo of scrap aluminum and other scrap metal at 2000 lbs/ea x 12 mos/yr = 24,000 lbs/yr source: Company Production Manager (CPMgr) - see attachment 10	12.00			
		Recycling	scrap plastic	(5) gaylord/week of acrylic plastic at 500 lbs/ea = 2500 lbs x 52 wks/yr = 130,000 lbs source: CPMgr	65.00			
		Recycling	scrap plastic	(2) gaylords/wk of ground polyurethane at 1000 lbs/ea = 2000 lbs x 52 wks/yr = 104,000 lbs/yr source: CPMgr	52.00			
		Recycling	scrap plastic	(2) gaylords/wk of ground ABS at 1500 lbs/ea = 3000 lbs x 52 wks/yr = 156,000 lbs/yr source: CPMgr	78.00			
		Recycling	scrap plastic	(1) gaylord/wk of coated ABS at 1500 lbs/ea = 1500 lbs x 52 wks/yr = 78,000 lbs/yr source: CPMgr	39.00			
		Source Reduction	paper	6 cy/wk of shredded kraft paper from protective acrylic backing at 8 lbs/per 33 gals (6 cy = 1176 gallons) = 308 lbs/wk x 52 wks/yr = 16,016 lbs/yr source: US EPA	8.00			
N	Eating Places	Recycling	grease rendering	1.12 cy/mo of food grease rendered x 1464 lbs/cy x 12 mos/yr = 19,676 lbs/yr source: US EPA	9.80			
		Recycling	occ	collected by WMI and already counted				
I	Hardware Stores	Recycling	wood pallets	23 pallets/wk returned to distribution center x 8 lbs/pallet = 184 x 52 wks/yr = 9568 lbs/yr source: CIWMB Diversion G	4.80			
		Recycling	occ	collected by WMI and already counted				
H	Groceries, General Line	Source Reduction	paper	(2) 32 gallon trash cans worth of paper work reduced as a result of computerizing inventory, payroll, etc. 2 x 25.4 lbs/32 gal = 50.82 lbs x 52 wks/yr = 2642 source: US EPA	1.30			
		Source Reduction	food donation	7 boxes every 3 weeks damaged food returned to distribution center at 25 lbs/box = 121 boxes/yr x 25 lbs = 3033 lbs/yr source: Store Associate	1.50			
		Source Reduction	wood pallets	30 pallets/wk returned to distribution center x 8 lbs/pallet = 240 x 52 wks/yr = 12,480 lbs/yr source: CIWMB Div Guide	6.20			
		Recycling	occ	collected by WMI and already counted				
E	Plating of Metals	Recycling	scrap metal	1500 lbs/mo scrap metal x 12 mos = 18,000 lbs/yr source: Maintenance Mgr. - see attachment 10	9.00			
		Recycling	metal al cans	(1) 32 gal can every 3 wks crushed aluminum cans at 17.82 lbs x 17.33 wks = 309 lbs/yr source: US EPA	0.15			
		Source Reduction	metal drums	(4) 55 gal drums/wk returned to distributor at 40 lbs/drum = 160 lbs x 52 wks/yr = 8320 source: UCLA jh	4.16			
		Source Reduction	wood pallets	250 pallets/mo rebuilt at 7.08 lbs/pallet credit (because on-site repair is done) = 1,770 lbs/mo x 12 = 21,240 lbs/yr source: CIWMB Diversion Guide	10.60			
		Source Reduction	wood pallets	5 pallets/wk returned to distribution center x 8 lbs/pallet = 40 lbs/wk x 52 wks/yr = 2080 lbs/yr source: CIWMB Div Guide	1.04			

K	Grocery Store	Recycling	occ	(20) med bales/wk a 400 lbs/bale = 8000 lbs/wk x 52 wks/yr = 416,000 lbs/yr source: UCLA et	208.00			
		Recycling	mixed paper	(1) 68 gal/wk shredded at 16.48 lbs (8 lbs per 33 gallons) x 52 wks/yr = 857 lbs/yr source: US EPA	0.43			
		Recycling	metal al cans	(1) 32 gal can every week uncrushed aluminum cans at 5.61 lbs x 52 wks/yr = 292 lbs/yr source: US EPA	0.15			
		Recycling	grease rendering	(2) 55 gallon barrels/wk at 410 lbs/ea = 820 lbs/wk x 52 wks/yr = 42,640 lbs/yr source: US EPA	21.30			
		Recycling	toner cartridges	17.33 cartridges/yr at 2.5 lbs/ea = 43 lbs/yr source: US EPA	0.02			
		Source Reduction	mixed paper	(3) 32 gallon trash cans worth of paper work reduced as a result of computerizing inventory, payroll, etc. 3 x 25.4 lbs/ 32 gal = 76.23 lbs x 52 wks/yr = 3964 lbs/yr source: US EPA	1.98			
		Source Reduction	food donation	(1) cy bin worth of food donation/wk to local food bank. Approx weight of weekly donations are 250 lbs x 52 wks/yr = 13,000 lbs/yr source: Store Manager	6.50			
		Source Reduction	pallets	400 pallets/wk back to distributor x 8 lbs/pallet = 3200 lbs/wk x 52 wks/yr = 166,400 lbs/yr source: CIWMB Diversion Guide	83.00			
S	Industrial Uniform Supply	Source Reduction	textile donations	2,500 lbs of uniforms and textiles/yr are donated to Mexico source: General Mgr	1.20			
		Source Reduction	pallets	60 pallets/yr set out for scavengers x 40 lbs/pallet = 2400 lbs/yr source: CIWMB Diversion Guide	1.20			
		Recycling	occ	collected by WMI and already counted				
M	Motor Vehicle Dealers	Recycling	cpo	(1) 32 gal container every 2 wks at 25.41 lbs x 26 wks = 660 lbs/yr source: US EPA	0.33			
		Recycling	metal al cans	(1) 32 gal container uncrushed cans ea 2 wks at 5.61 lbs x 26 wks = 146 lbs/yr source: US EPA				
		Recycling	scrap metal	4 cy scrap metal parts recycled every 2 mos at 906 lbs/cy x 6 mos = 21,744 lbs/yr source: US EPA	10.80			
		Source Reduction	shop rags	4 cy/yr of rags reused at 225 lbs/cy = 900 lbs/yr source: Tellus	0.45			
		Source Reduction	pallets	2.5 pallets/mo go back to distributor x 8 lbs/pallet x 12 mos = 240 lbs/yr source: CIWMB Diversion Guide	0.12			
5	Offices/Clinics of Doctors	Recycling	mixed paper	(1) 98 gallon container of shredded paper/wk at 24 lbs x 52wk = 1248 lbs/yr source: US EPA	0.62			
		Recycling	al cans	taken to recycling center - already counted				
		Recycling	PETE bev containers	taken to recycling center - already counted				

G	Marble Biding Stone/Whisle	Recycling	scrap metal	(1) 55 gallon drum/yr scrap metal = 253 lbs source: US EPA	0.12		
		Recycling	wood	3 cy wood every 3 mos used as fire wood by employees at 329 lbs/cy = 987 lbs x 4 = 3948 lbs/yr source: Tellus	2.00		
		Source Reduction	pallets	(20) special pallets/mo returned to supplier at 80 lbs/pallet = 1600 lbs/mo x 12 mos/yr = 19,200 lbs/yr source: Company Supervisor	9.60		
		Source Reduction	marble	4000 lbs/yr donated to local artists source: Co. Supervisor	2.00		
0	Restaurant	Source Reduction	paper towels	Changed from tri-fold to rolls of paper towels in restroom at source reduction of (1) 32 gal trash can/wk at 14.2 lbs x x 52 wks/yr = 738 lbs/yr source: UCLA sh	0.37		
		Recycling	occ	collected by WMI and already counted	0.00		
B	Wood, Household Furniture	Recycling	wood	64 gallons/wk scrap wood taken by employees for fire wood x .326 cy/wk x 52 wks/yr = 16.97 cy/yr x 329.53 lbs/cy = 5595 lbs/yr source: Tellus	2.80		
F	Electronic Connectors	Recycling	scrap metal	This facility recycled 199 tons of high grade metals in 2000. The numbers will not be counted because this company started business in Banning in the 1950's. The company contact estimates that more metal was recycled in 1990 based on changes in manufacturing processes.	0.00		
		Recycling	occ	source: Sherry Nichols, Loss Prevention Manager company has (1) 6 cu/yd bin serviced once every 3-4 weeks by WMI and therefore is already counted.	0.00		
A	Crushed and Broken Stone	Recycling	concrete	In year 2000, a special one-time project was conducted - road work on the I-10 freeway that runs through Banning. A total of 30,000 tons was recycled (according to Plant Sprndnt). Of this amount, it is estimated that 40% was in the City of Banning. However, because this was a one-time only project, this material will not be counted toward the City's new base year generation source: Kahono Oel, City of Banning	0.00		
Total Business Diversion from Audits					13,903.63		

Total Disposal From Audited Businesses 0

Reference Number	Business Type	Diversion Activity	Material Type	Conversion Factor and Source	Diver. Tons
na	City offices - Parks	Source Reduction	grass	Grasscycling of 20 acres of parkland turf owned by the City of Banning at 6.5 tons/acre/yr = 130 tons source: "California Turfgrass Culture", UC Cooperative Extension, Volume 46, nos 1 & 2, 1996, p6	130.00
na	City offices - Streets	Recycling	concrete, asphalt	Approximately 80 tons from city crews was recycling in 2000 source: Kahono Oel, City of Banning	80.00
na	City offices - Parks & Electrical	Recycling	green waste	All tree trimmings from Parks and Electrical departments are recycled at	360.00
Total					570.00